

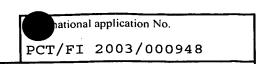
INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference	The postupe was a second of the postupe was							
TP102629/MLA	FOR FURTHER ACTION See Form PCT/IPEA/416							
International application No.	International filing date (day/month/year)	Priority date (day/month/year)						
PCT/FI 2003/000948	12-12-2003	16-12-2002						
International Patent Classification (IPC) o	International Patent Classification (IPC) or national classification and IPC							
G02B 5/18, G02B 27/00								
Applicant								
Nokia Corporation								
 This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36. 								
2. This REPORT consists of a total of	of 3 sheets, including this co	ver sheet.						
3. This report is also accompanied by ANNEXES, comprising:								
								
sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).								
sheets which	supersede earlier sheets, but which this Auth	ority considers contain an amendment that goes						
beyond the di		led, as indicated in item 4 of Box No. I and the						
b (sent to the Internation	onal Bureau only) a total of (indicate type an							
, containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the								
Administrative Instru								
4. This report contains indications re	elating to the following items:							
Box No. I Basis o	f the report							
Box No. 11 Priority	′							
Box No. III Non-es	tablishment of opinion with regard to novelt	y, inventive step and industrial applicability						
Box No. IV Lack of	f unity of invention							
	bility; citations and explanations supporting documents cited	such statement						
<u> </u>								
, <u>L</u>								
Box No. VIII Certain observations on the international application								
Date of submission of the demand	Date of completic	on of this report						
		•						
08-07-2004	09-09-200	09-09-2004						
Name and mailing address of the IPEA/S:	E Authorized office	er						
Patent- och registreringsverket Box 5055								
S-102 42 STOCKHOLM	Magnus We	Magnus Westöö/MN						
Facsimile No. +46 8 667 72 88		Telephone No. +46 8 782 25 00						





Box	No. I	Basis of the report				
1.	With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.					
		This report is based on a translation from the original language into the following language which is the language of a translation furnished for the purposes of:				
		international search (under Rules 12.3 and 23.1(b))				
		publication of the international application (under Rule 12.4)				
		international preliminary examination (under Rules 55.2 and/or 55.3)				
2.	furnish	Vith regard to the elements of the international application, this report is based on (replacement sheets which have been transhed to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report):				
	\boxtimes	the international application as originally filed/furnished				
		the description:				
		pages as originally filed/furnished				
		pages* received by this Authority on				
	_	pages* received by this Authority on				
		the claims:				
		pages as originally filed/furnished pages* as amended (together with any statement) under Article 19				
		pages* received by this Authority on received by this Authority on				
		the drawings:				
		pages as originally filed/furnished				
		pages* received by this Authority on				
		pages* received by this Authority on				
		a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.				
3.	The amendments have resulted in the cancellation of:					
		the description, pages				
ļ		the claims, Nos.				
the drawings, sheets/figs		the drawings, sheets/figs				
		the sequence listing (specify):				
		any table(s) related to the sequence listing (specify):				
4.		This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).				
		the description, pages				
		the claims, Nos.				
		the drawings, sheets/figs				
		the sequence listing (specify):				
		any table(s) related to the sequence listing (specify):				
*	lf item	4 applies, some or all of those sheets may be marked "superseded."				



mational application No.
PCT/FI 2003/000948

Box No. V Reasoned state citations and e		Reasoned statement u	nent under Article 35(2) with regard to novelty, inventive step or industrial applicability; planations supporting such statement			
1.	Statement					
	Novelty (N)	ty (N)	Claims	1-11	YES	
			Claims		NO	
	Invent	tive step (IS)	Claims	1-11	YES	
	• • •		Claims		NO NO	
	Indust	trial applicability (IA)	Claims	1-11	YES	
			Claims		NO	

2. Citations and explanations (Rule 70.7)

1.

Documents cited in the International Search Report:

D1: WO 9952002 A1 D2: EP 0535402 A1

The cited documents represent the general state of the art. The invention defined in claims 1-11 is not disclosed by any of these documents.

The cited prior art does not give any indication that would lead a person skilled in the art to the claimed diffractive grating element. Therefore, the claimed invention is not obvious to a person skilled in the art.

Accordingly, the invention defined in claims 1-11 is novel and is considered to involve an inventive step. The invention is industrially applicable.